

CLAIMS

WHAT IS CLAIMED IS:

- 5 1. A method comprising:
- detecting that a trigger exists, wherein the trigger indicates a potential need to rebuild a saved access plan associated with a query; and
- determining whether a previous job associated with the trigger created a new access plan that was identical to the saved access plan.
- 10 2. The method of claim 1, further comprising:
- if the determining is false, creating the new access plan and comparing the saved access plan with the new access plan.
- 15 3. The method of claim 2, further comprising:
- if the comparing determines that the saved access plan is identical to the new access plan, performing the query via the saved access plan.
- 20 4. The method of claim 2, further comprising:
- if the comparing determines that the saved access plan is different from the new access plan, replacing the saved access plan with the new access plan and performing the query with the new access plan.
- 25 5. The method of claim 1, further comprising:
- if the determining is true, performing the query with the saved access plan.
6. An apparatus comprising:
- means for detecting that a trigger exists, wherein the trigger indicates a potential need to rebuild a saved access plan associated with a query;

means for determining whether a new access plan was previously created in response to the trigger and the new access plan was previously found to be identical to the saved access plan; and

5 means for performing the query with the saved access plan if the determining is true.

7. The apparatus of claim 6, further comprising:

means for creating the new access plan and comparing the saved access plan with the new access plan if the determining is false.

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8. The apparatus of claim 7, further comprising:

means for performing the query via the saved access plan if the comparing determines that the saved access plan is identical to the new access plan.

15 9. The apparatus of claim 7, further comprising:

means for replacing the saved access plan with the new access plan and performing the query with the new access plan if the comparing determines that the saved access plan is different from the new access plan.

20 10. The apparatus of claim 6, wherein the means for determining comprises a condition in a program object associated with the query.

11. A signal-bearing medium encoded with instructions, wherein the instructions when executed comprise:

25 detecting that a trigger exists, wherein the trigger indicates a potential need to rebuild a saved access plan associated with a query;

determining whether a previous job associated with the trigger created a new access plan that was identical to the saved access plan;

performing the query with the saved access plan if the determining is true; and

creating the new access plan and comparing the saved access plan with the new access plan if the determining is false.

12. The signal-bearing medium of claim 11, further comprising:

5 performing the query via the saved access plan if the comparing determines that the saved access plan is identical to the new access plan.

13. The signal-bearing medium of claim 11, further comprising:

10 replacing the saved access plan with the new access plan and performing the query with the new access plan if the comparing determines that the saved access plan is different from the new access plan.

14. The signal-bearing medium of claim 11, wherein the trigger comprises a new version of at least a portion of a data management system.

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15. The signal-bearing medium of claim 11, wherein the trigger comprises a change of a file size in a database to which the query is directed.

16. An electronic device comprising:

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a processor; and

a storage device encoded with instructions, wherein the instructions when executed on the processor comprise:

detecting that a trigger exists, wherein the trigger indicates a potential need to rebuild a saved access plan associated with a query,

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determining whether a previous job associated with the trigger created a new access plan that was identical to the saved access plan,

performing the query with the saved access plan if the determining is true, creating the new access plan and comparing the saved access plan with the new access plan if the determining is false, and

performing the query via the saved access plan if the comparing
determines that the saved access plan is identical to the new access plan.

17. The electronic device of claim 16, wherein the instructions further comprise:

5 replacing the saved access plan with the new access plan and performing the
query with the new access plan if the comparing determines that the saved access plan is
different from the new access plan.

18. The electronic device of claim 16, wherein the trigger comprises a new version of at
10 least a portion of a data management system.

19. The electronic device of claim 16, wherein the trigger comprises a change of a file
size in a database.

15 20. The electronic device of claim 16, wherein the trigger comprises a new index in a
database.